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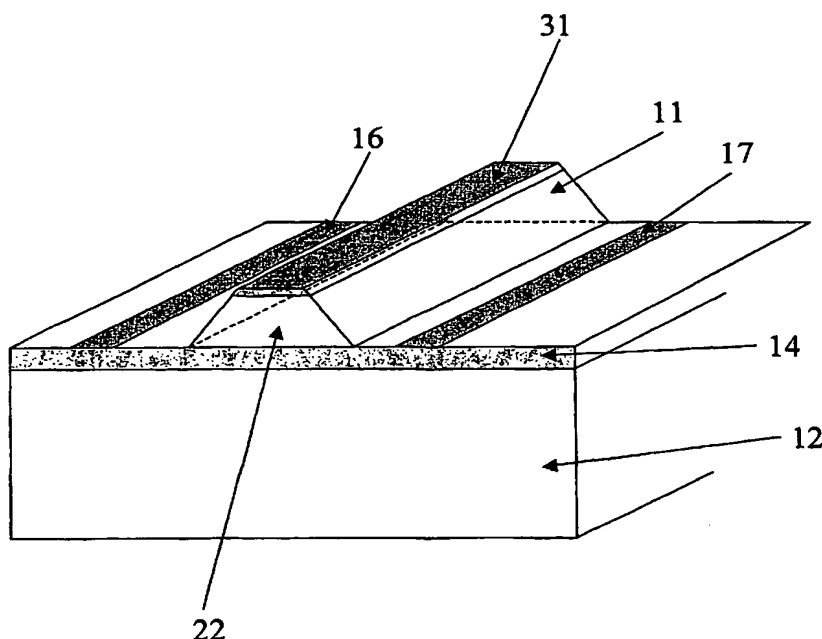
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(54) Title: **TERAHERTZ QUANTUM CASCADE LASER**



(57) Abstract: A laser comprising: a substrate comprising a bulk region and a conducting layer; an active region (11) comprising a quantum cascade structure provided on a first surface of the substrate (12) such that said active region (11) is electrically connected to said conducting layer; first and second contacts (16, 17) being disposed on opposite sides of said active region (11); and an active region contact (31) provided to said active region (11) such that a potential may be applied between said active region contact (31) and said first and second contacts (16, 17) to cause said active region (11) to lase.

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